

S/081/62/000/024/008/073
H108/B186

AUTHORS: Beranová, H., Lenk, R., Malý, J., Veselý, V.

TITLE: Extraction of the main fission products of uranium by means of some ketones from acid solution and from solution with acid deficiency

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 78, abstract 24B546 (Collect. Czechosl. Chem. Commun. v. 27, no.2, 1962, 487 - 491 [Ger.; summary in Russ.])

TEXT: Measurements were taken of the distribution coefficients of Sr^{90} , Zr^{95} , Ru^{106} , Ce^{144} , and Cs^{137} between the aqueous solutions of 0.25M $\text{UO}_2(\text{NO}_3)_2$, 5M NH_4NO_3 , of various concentrations with respect to HNO_3 , and $\text{CH}_3\text{COC}_5\text{H}_{11}$ (I), $\text{CH}_3\text{CO-iso-C}_4\text{H}_9$ (II), $\text{CH}_3\text{COC}_5\text{H}_7$ (III), and methyl cyclohexanone (IV). The extraction of Cs^{137} and Ce^{144} by all of the solvents and the extraction of Sr^{90} by III and IV depends but little on the acid concentration. On extraction with I and II, the distribution coefficient

Card 1/2

Inst. für Kernforschung, Czech Acad. Sci., Prague

Extraction of the main fission ...

S/081/62/000/024/008/073
B108/B186

of Sr^{90} decreases by two orders of magnitude when the HNO_3 concentration is reduced from 5M to zero. The extraction of Zn^{95} and Ru^{106} is reduced sharply on transition from acid solutions to solutions with acid deficiency. For the previous paper, see RZhKhim, 1961, 22V7. [Abstracter's note: Complete translation.]

Card 2/2

BERANOVA, H.; BRANDSHTETR, I.; DRUIN, V.; YERMAKOV, V.; ZYAFROVA, T.;
KZHIVANEK, M. (Krazywanek, M.); MALY, Ya. (Maly, J.); POLIKANOV, S.;
SU HUNG-KUEI

Synthesis of ^{256}Md as a result of irradiating ^{238}U with
 ^{22}Ne ions and research on some of its chemical properties.
Nukleonika 7 no.7/8:465-471 '62.

1, Ob"yedinennyy institut yadernykh issledovaniy, Dubna, Laboratoriya
yadernykh reaktsiy.

VESELY, V.; BERANOVA, H.; MALY, J.

Extraction of irradiated uranium by ketones in acid solutions and
acid-poor solutions. Coll Cs chem 25 no.10:2622-2629 0 '60.
(EEAI 10:9)

1. Institut fur Kernforschung, Tschechoslowakische Akademie der
Wissenschaften, Prag.

(Extraction(Chemistry)) (Ketones) (Uranium)
(Solutions)

BERANCOVA, Hana; PETRZILA, Vladimir

Fast separation of rare earths and transplutonium elements by
ion exchangers. Jaderna energie 9 no.8:266 Ag '63.

1. Ustav jaderného výzkumu, Československá akademie věd, Řez
u Prahy.

BERANCOVA, H.; PETRČILA, V.

Fast separation of rare earth and transplutonium elements
on ion-exchangers. Coll Cz Chem 29 no.2:500-515 P 164.

1. Nuclear Research Institute, Czechoslovak Academy of
Sciences, Řež near Prague.

BERANCOVA, Hana; NOVAK, Milan

Separation chromatography of uranium and fission products on porous styrene divinylbenzene copolymers swollen by tributyl phosphate solution. *Jaderna energie* 10 no.11:408 N '64.

1. Institute of Nuclear Research of the Czechoslovak Academy of Sciences, Rez near Prague.

CZECHOSLOVAKIA

PERANOVA, H; TEJNECKY, M

Institute of Nuclear Research, Czechoslovak Academy of
Sciences, Prague-Rez - (for both)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 1, January 1967, pp 437-443

"Partition chromatography of uranium and fission products
on a porous styrene-divinyl benzene copolymer swollen in
tributylphosphate solutions. Part II: Contribution to the
study of the extraction mechanism of nitric acid and ura-
nyl nitrate."

KOLAROVA, J.; SOSNA, V.; VALCHOVA, M.; BERANOVA, I.

Suppurative Listeria meningitis in children. Cesk. pediat. 17 no.10:
922-924, O '62.

1. Klinika nemoci infekcnich statni fakultni nemocnice v Plzni,
prednosta doc. dr. V. Palisa, CSc.

(LISTERIA INFECTIONS) (MENINGITIS)
(POULTRY DISEASES)

MISAR, Z.; NOVAK, V.; BERANOVA, I.; PRIVORA M.

Report on the mass incidence of *Gadgmia ornata* in the Czechoslovakian SSR. *Cesk. epidem.* 13 no.4:253-254 J1 '64.

1. Okresni veterinarni zarizeni, Tachov; Entomologicky ustav Ceskoslovenske Akademie ved, Praha; Krajske hygienicko-epidemiologicke stanice, Plzen; Ustav epidemiologie a mikrobiologie, Praha.

GASPARIC, J.; BERANOVA, O.

Quantitative paper chromatographic analysis of alkylated phenols.
Coll Cs Chem 26 no.12:3173-3177 D '61.

1. Forschungsinstitut fur organische Synthesen, Pardubice-Rybitvi.

MASEK, K.; BERANOVA, Z.; VANISTA, J.

Value of determination of enzyme activity in liver diseases.
Cas. lek. cesk. 103 no.39:1070-1074 25 S '64.

1. Ustredni laborator nemocnice na Bulovce v Praze 8 (vedouci
MUDr. K. Masek, CSc) a Infekcni klinika lekarske fakulty hy-
gienicke Karlovy University v Praze (prednosta prof. dr. V.
Kredba, CSc.).

KRYL,R.; NEUBERTOVA,E.; BERANOVA,Z.

Sulfamethoxidine. Experimental and clinical experiences with the new Czechoslovakian sulfonamide 2-sulfanilamido-5-methoxy-pyrimidine. Cas.lek. cesk. 103 no.14:366-373 3 Ap'64

1. Klinika infekcnich nemoci lekarske fakulty hygienicke KU, Praha-Bulovka (prednosta: prof. dr. V.Kredba) a Ustredni biochemicke laboratore nemocnice na Bulovce, Praha 8, (vedouci: MUDr. K.Masek).

✍

BERANOVA, Z.

Organizer of an invincible army; 30th anniversary of M. V. Frunze's death. p. 683.

Vol. 9, no. 22, Oct. 1955

SVET MOTORU

Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

BERANOVSKY, J.

10 years of our workshop, p. 177, STROJIRENSKA VYROBA (Ministerstvo
strojirenstvi) Praha, Vol. 3, No. 5, May 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1956

2/059/62/000/005/005/006
77

AUTHOR: Beranovsky, Milan (Engineer)

TITLE: Low-frequency transistor amplifier for a DID 0.5 type servomotor

PERIODICAL: Vyzkumny a Zkusebni letecky Ustav, Letnany. Zpravodaj, no 5, 1962, 17-23

TEXT: A detailed description, circuit analyses, and test results (gain as a function of frequency, and of temperature) are presented for a two-stage l-f transistor amplifier with a B Class push-pull second stage, designed for a 0.5 w servomotor of the DID type. The complete circuit diagram is presented in Fig. 1 of the Enclosure. The technical characteristics of the miniature amplifier, made with printed circuitry, are as follows: frequency - 400 cps; input impedance - 10 kohm; maximum output voltage of servomotor's field winding - 12 v; sensitivity - 30 mv; supply voltage - 28 v, d-c; temperature range - -10 to +60C. Orig. art. has: 11 figures, and 12 formulas.

ASSOCIATION: Vyzkumny a Zkusebni letecky ustav (Aviation Research and Testing Institute), Letnany.

Card 1/21

BERANSKIY, NIKOLAI NIKOLAEVICH.

Transportnoe znachenie Amu-Dar'i. The transportation value of Amu-Darya⁷. (Bol. sov.
ents., 1926, v. 2, col. 556-557). DLC: AE55.B6

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

MASIAK, Marek; BERANSKIEWICZ, Ewa

Investigations on the serum and erythrocyte magnesium level
in early schizophrenia. Przegl. lek. 21 no.9:547-548 '65.

1. Z Kliniki Chorob Psychiczych AM w Lublinie (Kierownik:
Prof. dr. med. M. Kaczynski).

BERANY

HUNGARY / Chemistry of High Molecular Substances.

I

Abs Jour : Ref. Zhur - Khimiya, No 3, 1958, 10204

Author : Kasszan, Hegedus, Guba, Berany, Tomorkeny

Inst : Not given

Title : The Heterodispersion and Molecular Structure of the Dextran
Which is Used as a Substitute for Plasma

Orig Pub : Magyar kem. folyorat, 1955, 61, No 3, 65-73

Abstract : The molecular weight, heterodispersion, and the 1.6 to 1.4
glycoside bond ratio were investigated in samples of acid-
hydrolysed dextran, a plasma substitute of 0.16-0.21 vis-
cosity. The following results were obtained: 1) A laboratory
process for dextran fractionation was developed; 2) The
molecular weight of split and fractionated dextrans was
determined by means of expressing the quantity η_{sp}/C

Card 1/ 2

HUNGARY / Chemistry of High Molecular Substances.

I

Abs Jour : Ref. Zhur - Khimiya, No 3, 1958, 10204

Abstract : graphically, in concentrations from 1 to 10% (w/v). The values η_{sp}/C determined in 6.8-10% solutions are more convenient for characterizing the molecular weight than true viscosity values; 3) The molecular weight of dextran and of its various fractions was found by means of determining their diffusion and by ultracentrifuging; it was established that acid-split, non-fractionated dextrans with a 0.16-0.21 true viscosity are highly heterodispersed; In order that the dextrans be used as plasma substitutes, very low and very high molecular weight fractions must be eliminated by means of single-stage or multi-stage fractionation; 4) It was established that the glycoside bonds of the investigated samples are 1.6-type bonds in 85% of split or fractionated dextrans, in 73% of unsplit dextrans, and in 91% of the hydrolysed dextrans.

Card 2/2

BERAR, Ecaterina, ing.; BERAR, Ulise, ing.

Mathematical programming methods applied to the design of
irrigation systems. Hidrotehnica 8 no.12:443-451 D'63.

BERAR, U., ing.

Reversible pumping stations in hydroameliorative works.
Hidrotehnica 6 no. 7:247-253 J1 '61.

BERAR, U., ing.

Total water consumption needed by plants. Meteorologia hidrol gosp
7 no.3:190-198 '62.

BERAR, Ulise, ing.; CURCA, Marcel, ing.

Use of mintralized water for irrigation. Meteorologia hidrol
gosp 7 no.4:288-295 '62.

BRUDA, P., prof.; BEHARIU, T., dr.; GOSEA, C., dr.; CIURDARIU, P., dr.

Contribution to the clinical and functional study of interstitial nephritis. Med. intern. 15 no.11:1287-1293 N '63.

1. Lucrare efectuata in Clinica de urologie, Cluj (director: prof. P. Bruda), si Clinica a II-a medicala (director: prof. I. Goia), I.M.F., Cluj.

(NEPHRITIS, INTERSTITIAL) (DIAGNOSIS)

GOIA, I.; BERARIU, T.; CIURDARIU, P.; GANE, N.; SCHIAU, M.; VASIU, A.

The value of mannitol and PAH tests in hypertensive disease. Med. int.,
Bucur. 9 no.8:1168-1176 Aug 57.

1. Lucrare efectuata in Clinica a II-a Medicala, Cluj.

(HYPERTENSION, physiol.

kidney funct., value of mannitol & para-aminohippuric acid
tests)

(KIDNEY FUNCTION TESTS, in various diseases

mannitol & para-aminohippuric acid tests in hypertension,
diag. value)

(MANNITOL

test of kidney funct. in hypertension, diag. value)

(PARAAMINOHIPPURIC ACID

same)

BRUDA, P., conf.; BERARIU, T., dr.; SIMPLACEANU, L., dr.; GOSA, C., dr.;
CHIOREANU, V., chim.; CAPINA, S., chim.

Contribution to the study of the metabolism disorders in urinary
lithiasis. Med. intern., Bucur 12 no.12:1795-1804 D '60.

1. Lucrare efectuata la Clinica urologica Cluj (director, conf.
P. Bruda), catedra de biochimie Cluj (prof. I. Manta), catedra de
anatomie patologica Cluj (prof. A. Muresanu), catedra de bacteriologie
Cluj (prof. Gh. Badenschi), catedra de fizica medicala Cluj (conf.
R. Opreanu).

(URINARY CALCULI etiology) (NEPHRITIS complications)
(KIDNEY metabolism) (BLOOD PROTEINS)

BRUDA, P., conf.; BERARIU, T., dr.; GRUN, I., dr.; GOSEA, C., dr.; Chimisti:
HOINARESCU, E.; CHIOREAN, V.; GAVRUS, A.

Contribution to the study of disorders of metabolism in urinary
lithiasis. II. Med. intern., Bucur 13 no.1:71-85 Ja '61.

1. Lucrare efectuata in Clinica de urologie din Cluj in colaborare
cu Catedrele de biochimie, anatomie patologica, Bacteriologie si
fizica medicala.

(URINARY CALCULI metabolism) (CALCIUM metabolism)
PHOSPHORUS metabolism) (MAGNESIUM metabolism)
(PROTEINS metabolism)

BRUDA, P.; BERARIU, T.; GOSHA, K.; GHIUN, I.

On the problem of the biochemical etiopathogenesis of calculi of the
urinary bladder. Rev. sci. med. 7 no.1/2:23-27 '62.
(URINARY CALCULI)

BERARU, A.

Working of coal veins prone to sudden coal and gas outbursts.
Revista Minelor, #1:6:Jan 55

WILLIAMS, A.

Life-saving Mechanization in Coal Mines. Revista Minelor (Mining Journal), #6:262: Aug 55

BERARU, A., ing.

Application of the new technology in the mining works of first
discoveries. Rev min 12 no.8:371-376 Ag '61.

BERARU, A., ing.

Influence of mechanization of the loading process on the work
productivity and advancing rate. Rev min 15 no. 4:187-198
Mr '64.

BERASHEVICH, N.K.; SIVYAKOV, A.A.; ANDRYUSHIN, Yu.N.

Acute pancreatitis as a complication of toxicosis in the
second half of pregnancy. Akush. i gir. no.1:121-123 '63.

(MIRA 17:6)

1. Iz rodil'nogo doma No.3 Ivanova (glavnyy vrach N.K. Berashevich).

PUZYREVA, N.I.; NOVIKOVA, V.I.; BERASHEVICH, N.K.

Prevention of hemolytic disease of newborn according to data
of Ivanovo Maternity Home No. 3. Sbor. nauch. trud. Ivan. gos.
med. inst. no. 28:74-79 ' 63. (MIRA 19:1)

1. Iz kliniki fakul'tetskoy pediatrii (zav. - dotsent G.M. Lago)
Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor -
dotsent Ya.M. Romanov) i rodil'nyy dom No. 3 (glavnyy vrach -
N.K. Berashevich).

VISHNEVSKIY, A.A.; BERASHEVICH, N.K.; LEBEDEVA, Ye.N.; NOVIKOVA, V.I.

Effect of pathological pregnancy and labor on the development
intracranial trauma and asphyxia of the fetus. Sbor. nauch.
trud. Ivan. gos. med. inst. no. 28:267-272 ' 63 (MIRA 19:1)

1. Iz kafedry akusherstva i ginekologii (ispolnyayushchiy obyazannosti zav. - dotsent M.A. Timokhina) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

MANOLACHE, C.; DOGULEANU, Gh.; SAMBRU, I.; BERATLIU, C.

New contributions to the biological study and fight against
the Colorado beetle (*Leptinotarsa decemlineata* Say) in Rumania.
Studii cerc biol anim 1986.4:443-464. 13.

1. Membru corespondent al Academiei R. R. (For Manolache).

BERATLIUS, C.; ROMASCU, Em.; MIRCESCU, Al.

Sensibility of some wheat varieties to the attack of the *Tylenchus tritici* Steinb. nematode. Comunicare AR 13 no.1:27-32 Ja '63.

1. Comunicare prezentata de C. Manolache, membru corespondent al Academiei R.P.R.

GROU, Elvira; BALIF, Gabriela; BERATLIEF, Constantin

Determination of dieldrin residues in potato tubers. Studii
cerc biol veget 14 no.3:345-350 '62.

1. Comunicare prezentata de Alice Savulescu, membru corespondent
al Academiei R.P.R.

BERAYA, A.G.

Designing large panel bolt rings for earthquake conditions.

Scob. AN Gruz, STR 3, no. 101-102, 1963. (MIRA 17 7)

BERAYA, A.G.

Approximate method for determining the plane stressed state of plates.

Trudy Inst. stroi.mekh. i seism. AN Gruz. SSR 9:221-232 '63.

(MIRA 17:12)

BERAYA, A.C.

Stressed state of buildings under conditions of seismic
action. Trudy Inst. stroi. mekh. i seism. AN Gruz. 10:
47-57 '64. (MIRA 18:11)

SIKHARULIDZE, Ya.M.; KATSITADZE, Sh.S.; BERAYA, M.M.

Flux for the melting of bronze. Lit. proizv. no.6:36 Je '64.
(MIRA 18:5)

[illegible]

Vitreous State (Cont.)	804/201	340
Kochetkova, Ye.I. Dependence of the Properties of Glasses on Composition		343
Discussion		
Color of Glasses and Effect of Irradiation		
Vargin, V.V. Color of Glass and Effect of Irradiation		345
Orlov, M.N. Role of Aluminates and Crystallinity of Silica in Formation of Quartz Glass Tinting Under the Action of Gamma Rays		346
Dudilov, V.P., and M.V. Reznik. Variation in the Absorption Spectrum of Glasses of Simple Composition Under the Action of Gamma Rays		351
Berkovits, S.M. On the Resistance of Commercial Glasses to the Influence of Radiative Radiation		355
Kazaryan, O.O. Effect of Glass Structure on the Spectral and Chemical Properties of Certain Ions		360
Card 15/22		
Vitreous State (Cont.)	804/205	365
Ananov, K.P., V.V. Balakrishna, G.I. Goshenkov, and V.A. Lyudskanov. Structure and Properties of Iron-Containing Glasses		
Vladov, B.I., Ye.I. Gubant, and A.M. Reifel. Absorption Spectrum of the Co^{2+} Ion as the Coordination Indicator of Boron and Aluminum in Silica Glasses		368
Vargin, V.V., and T.I. Veynberg. Color of Glasses in Connection With Structure		372
Discussion		377
Mechanical and Some Technical Properties of Glasses		
Bortenev, G.M. Structure and Mechanical Properties of Glass and Glass Fiber		380
Konstantinov, Ye.I. Abrasive Properties of Glass in Relation to Temperature		387
Card 16/22		
Vitreous State (Cont.)	804/209	391
Aslanova, M.S. Mechanical Properties of Glass Fibers		
Rachylskaya, V.I., and V.V. Tsvetkov. On Polydispersion of Inorganic Glasses and Their Mechanical Resistance		396
Reizer, P.N. Determining the Density and Viscosity in Time for Boron-Jena Glass 15 III in the Transformation Range		399
Ponomarev, I.P. Investigation of the Glass-Forming Power in the Formation of the Ceramic 154 and Glassy Chloride		405
Vermolevskiy, Ye.I. Physicochemical Study of Patches of Film-Forming Oxides		407
Prasnov, V.A. Structure of Glass and the Nature of Refracting It With Metals		412
Discussion		415
Card 17/22		

BERATLIEF, C. (Bucuresti)

"Coleoptera, family Cerambycidae" by S. Panin and M. Savulescu.
Reviewed by C. Beratlief. Natura Biologie 14 no. 1:88-89 Jan-F 62.

BERAPLIEF, M.; SOLOMON, C.; SABO, N.

Foams on the basis of polystyrene. p. 393.

R. VISTA DE CHIMIE. (Ministerul Industrii Petrolului si Chimiei si
Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti.
Romania. Vol. 10, no. 7, July 1959.

Monthly List of East European Accessions (EEAT) LC, Vol. 9, no. 1,
January 1960.

Uncl.

BEER, L.S.

History of geography instruction at Leningrad University

Vop. geog. 27, 1951

BERBA, M. I.

BERBA, M. I. -- "Investigation of the Process of Drying Materials by the Sublimation Method." Min Higher Education USSR, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, Moscow, 1955 (Dissertation for the Degree of Candidate in Sciences)

SO: Knizhnaya letopis', No. 37, 3 September 1955

For the Degree of Candidate in Technical Sciences

BERBASH

Syrskaya, S. E.
8/17/66/000/00/001/003
0001/0000

3rd All-Union Conference on the Vitreous State

Stavro 1 November, 1960, No 3, pp 45-46 (1961)

The 3rd All-Union Conference on the Vitreous State was held in Leningrad at the end of 1959. It was organized by the Institute of Chemical Physics (Academy of Sciences of the USSR) and the Institute of Chemistry of the USSR Academy of Sciences (Academy of Sciences of the USSR). The conference was attended by scientists from various scientific centers of the USSR and foreign countries. The main topics of the conference were: the structure and properties of glasses, the kinetics of the glass transition, the mechanical properties of glasses, and the optical properties of glasses. The conference was held in a friendly and productive atmosphere, and it was a great success.

At the 7th meeting, 9 reports were made on the structure and properties of glasses and the influence of the structure on the properties of glasses. The reports were: 1. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 2. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 3. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 4. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 5. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 6. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 7. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 8. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova; 9. "The structure and properties of glasses" by V. A. Kargin and S. E. Syrkova. The reports were very interesting and informative, and they provided a lot of new data on the structure and properties of glasses.

Card 6/6

chemical fundamentals of the testing of glass and with the aim of settling deals with physical chemistry and mechanical properties of glass. E. E. Yevseyeva, G. E. Kargin and S. E. Syrkova made comprehensive reports on the structure and properties of glasses. E. E. Yevseyeva reported on the structure and properties of glasses, G. E. Kargin reported on the structure and properties of glasses, and S. E. Syrkova reported on the structure and properties of glasses. The reports were very interesting and informative, and they provided a lot of new data on the structure and properties of glasses.

Card 7/6

properties. A. V. Rykova reported on the subject: "Leaching of glasses in aqueous solutions of acids and the structure of glasses". E. E. Kargin reported on the subject: "The structure and properties of glasses". E. E. Kargin reported on the structure and properties of glasses, and S. E. Syrkova reported on the structure and properties of glasses. The reports were very interesting and informative, and they provided a lot of new data on the structure and properties of glasses.

Card 8/6

L 2883-66 EWT(d)/FBI/TSS-2/EWT(1)/EPA(sp)-2/REC(k)-2 AET/RE/OS/OM/WS-4

ACCESSION NR: AT5023588

UR/0000/65/000/000/0120/0227

AUTHOR: Berbasov, P. I.; Kerblay, T. B.; Kovalenskaya, Ye. M.; Lyakhova, L. I.

TITLE: Characteristics of short-wave radio communication with spaceships. 4/6/1

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 220-227

TOPIC TAGS: radio communication, spacecraft communication, radio wave propagation

ABSTRACT: Optimum frequencies for communication between distant points in space are studied under the assumption of an ionosphere of a spherically stratified structure with parameters that are uniform within the limits of a single discontinuity. The F2 layer is considered the basic reflecting layer. Data on the reception of signals from transmitters carried by the Vostok spaceships operating at about 20 Mc are analyzed. In most cases, communication was possible at 20 Mc, even though it was in excess of the standard MUF. To determine signal paths under real conditions, an analysis was made of the deviation of calculated MUF values from the actual radio communication frequencies. It was found that the deviation is essentially dependent on the hour of the day. When the receiving point was in the illuminated hemisphere-

Card 1/2

L 2883-66

ACCESSION NR: AT5023588

i.e., when the MUF at a control point nearest the receiving point was > 20 Mc but lower near the spaceship — the probability of communication was considerably higher than when the receiving point was not illuminated. The ability to communicate with the Vostok spaceships at a frequency exceeding the standard MUF was attributed to anomalous propagation of radio waves. Signal paths, including reflection from the Es layer, play a significant role in spaceship communication. Reflections from the Es layer in the region nearest the receiving point and propagation along ricocheting paths can appreciably increase the upper limit of short-wave communication with spaceships located near the maximum of the F2 layer. It is concluded that when a spaceship is located below the maximum of the F2 layer, in addition to radio waves reflected from the F2 layer, waves of higher frequency can propagate along ordinary paths at the expense of other propagation paths. An important role in the propagation of frequencies higher than the standard MUF is played by the sporadic ionization in the F2 layer; and by the presence of horizontal ionization gradients. Orig. art. has: 6 figures and 2 tables. [JR]

ASSOCIATION: none

SUBMITTED: 02Sep65

NO REF SOV: 005

Card 2/2

ENCL: 00

OTHER: 005

SUB CODE: 6SEC

ATD PRESS: 4109

BERBASOV, M.

USSR/Cooperatives - Consumer 4106. Sep 1947
Cost of Living 4105.

"The Work of Consumer Cooperation Under the Control
of the Trade Unions," M. Berbasov, 2 pp

"v Pomooshch' FZMC" Vol VIII, No 17

Discusses need to increase production of consumer
goods in order to lower prices. On 15 Aug 10,000
new trade enterprises having value of 8 billion
rubles were opened throughout Soviet Union. From
Nov 1946 through Jun 1947 consumer cooperation pur-
chased 61,600 tons of meat, 3,100 tons of fish,
1,500 tons of fats, 64,600 tons of potatoes and
vegetables, 3,000 tons of dried fruits. Coopera-

9038

12

USSR/Cooperatives - Consumer 4106. (Contd) Sep 1947

five trade system has been slow to develop under
present system, however, and author suggests that
it should be under control of the Trade Unions.

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12

BERGASOV, M.

Obshchestvennyy kontrol' Profsoyuzov (Trade Union Public Inspection, by)
M. BERGASOV I. V. KORNOUSTAYEV. V tomoshch' komissiyam FZK Po Nakhodkamy Snabzheniya
Kontrol'norevizionnykh Komissiyam I Obshchestvennykh kontroleram. Moskva, Profizdat, 1953.
111 p. Tables.

S. O. N/5
856
.B42

BERBASOV, M., zamestitel' zaveduyushchego.

Strengthening social control over enterprises of trade and public nutrition. Prof. noizsy 8 no. 5:28-34 Je '53. (MLRA 6:5)

1. Zhilishchno-bytovoy otdel vsesoyuznogo tsentral'nogo soveta profsoyuzov. (Economic policy)

EMRBASOV, M.

Unabated attention to secondary operations. Sov.Profsoiusy 3 no.4:
45-48 Ap '55. (MIRA 8:5)
(Agriculture) (Trade unions)

BERBASOV, M.

Sacred duty of trade unions. Sov. profsoiuzy 3 no. 8:37-42 Ag'55.
(Cost and standard of living) (MLRA 8:10)

BERBASOV M.

For release in accordance with E.O. 13526

Increase public supervision in workers' cafeterias. Sov.torg.no.2:
1-6 F '57. (MLBA 10:2)
(Restaurants, lunch rooms, etc.)

BERBASOV, M.; GORNOSTAYEV, V.

Tasks of the trade unions in the improvement of public eating
services. Sov. profsoiuzy 5 no.2:11-15 P '57. (MLRA 10:4)
(Trade unions) (Restaurants, lunchrooms, etc.)

BERBASOV, H.

Work in lunchrooms is under public control. Sov. profsoiuzy 6 no.3:
18-21 Mr '58. (MIRA 11:3)

1. Zamostitel' zaveduyushchego zhilishchno-bytovym otdelom Vse-
soyuznogo tsentral'nogo soveta profsoyuzov.
(Restaurants, luncheooms, etc.)

05.07.59 17.7.

М. В. Галкин,
А. С. Тарг
О исследовании работы параметрических усилителей СВЧ, в которых используются нелинейные элементы

В. И. Савин
О исследовании параметрических усилителей СВЧ, работающих в режиме самовозбуждения

9 часов
(с 10 до 22 часов)

А. Д. Вавкин
О анализе граничной частоты в теории нелинейных систем

Г. А. Зайцев
О нелинейности нелинейных систем с нелинейными элементами

М. В. Галкин
Метод расчета параметрических усилителей СВЧ с нелинейными элементами

А. Н. Лавров,
Ю. Н. Фомин
Об управлении коэффициентами усиления для нелинейных систем с нелинейными элементами

10

А. В. Галкин
Взаимодействие нелинейных элементов в нелинейных системах

10 часов
(с 10 до 16 часов)

А. Н. Гурьянов,
В. А. Коробин
О исследовании влияния параметрических усилителей на систему нелинейных элементов

М. В. Галкин,
В. А. Коробин

О влиянии нелинейности на систему нелинейных элементов

М. В. Галкин,
В. А. Коробин

О влиянии нелинейности на систему нелинейных элементов

М. В. Галкин,
В. А. Коробин

О влиянии нелинейности на систему нелинейных элементов

М. В. Галкин,
В. А. Коробин

О влиянии нелинейности на систему нелинейных элементов

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in. A. S. Popov (VKhSE), Moscow,
8-12 June, 1959

... , n. 0.

26172 O roli sovetskikh profsoyuzov v uluchshenii rabochego snabzheniya. Prof.
soyuzy, 1949, 8, s. 12-15

St: LITOPIS' 30. 35, 1949

AUTHORS: Berbasov, V.A. and Sedov, A.P. S/142/60/000/01/016/022
E140/E335
TITLE: Spectrum Analyser for the Band 20 - 120 Mc/s
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,
1960, Nr 1, pp 119 - 121 (USSR)
ABSTRACT: An instrument employing two frequency-modulated klystrons
and a crystal detector is described. It was intended to
measure the spectrum of intensity fluctuations in the space
charge of magnetrons. From the characteristics shown in
Figures 1 and 2 it appears that the instrument is not of
very high quality.
There are 4 figures and 4 Soviet references.
SUBMITTED: June 5, 1959, initially,
September 10, 1959, after revision.

Card 1/1

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S/141/60/003/01/011/020
E192/E582

9.4210

AUTHORS: Berbasov, V.A., Kuznetsov, M.I. and Nechayev, V.Ye.

TITLE: Investigation of the Fluctuations in Magnetrons.
I. Amplitude Fluctuations 19

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika,
1960, Vol 3, Nr 1, pp 102-109 (USSR)

ABSTRACT: The fluctuation spectra of the anode current in five specially designed magnetrons with various ratios of the anode-cathode diameters were investigated. The magnetrons operated in the metre wave range. A specially designed spectrum analyser was employed which permitted the spectrum to be observed directly on the screen of a cathode ray oscillograph over a bandwidth of 20 to 180 Mc/s (Ref 7). In all the investigated tubes the internal diameter of the anode was 35 mm. The cathodes of all the tubes, except one which had a tungsten filament with a diameter of 0.18 mm, were of identical construction and differed only in size. The cathodes consisted of nickel cylinders coated with a layer of the double carbonate and contained heaters inside. The

Card 1/4

69419

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E192/E582

Investigation of the Fluctuations in Magnetrons. I. Amplitude
Fluctuations

diameters of the cathode cylinders were 4, 11 and 17 mm. The centering of the cathodes was done with an error of 0.5 to 1 mm. In order to determine the effect of the cathode position inside the tube, the cathode having the diameter of 17 mm had two designs; in the second design, the cathode could be centred with an error of 0.1 mm with respect to the anode by means of ceramic washers. The tubes were activated and aged, and were sealed at a pressure lower than 5×10^{-7} mm Hg. In order to eliminate the possibility of obtaining the oscillations of the resonant type the anode and cathode of the experimental tubes were shorted by means of a special screen. The diagrams of two experimental tubes fitted with the screens are shown in Figs 1 and 2. The results obtained from the investigation of the fluctuations of the anode current in the magnetron having a cathode of 11 mm diameter are shown in Fig 3. ✓

Card 2/4

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Investigation of the Fluctuations in Magnetrons I. Amplitude
Fluctuations

The vertical coordinate denotes the frequency while the horizontal coordinate gives the magnetic field H in Oe-units. The "dots" in the figure denote the maxima which are due to symmetrical fluctuations while the "crosses" show the maxima which are caused by azimuthal fluctuations. Similar results were observed in all the remaining tubes. From the experiments it is concluded that a comparatively broad maximum is observed at a frequency which is lower than the cyclotron frequency. When the magnetic field intensity is near to the critical values, the maximum of the fluctuations occurs at a frequency which is about 30% lower than the cyclotron frequency. However, as the intensity of the magnetic field is increased the maximum is shifted nearer to the cyclotron frequency. Other peaks of the fluctuation spectrum have narrower bandwidths (5-10 Mc/s). The maximum of the spectral

Card 3/4

69419

S/141/60/003/01/011/020
E192/E582

Investigation of the Fluctuations in Magnetrons. I. Amplitude
Fluctuations

density of the fluctuations whose frequency increases with the increase of the magnetic field cannot be explained by the non-coherent oscillations of the rotating-wave type, since such a maximum is not observed in the azimuthal current spectrum. It is therefore necessary to assume that the maximum is a result of the natural oscillations of the symmetrical type which are excited by the fluctuation currents. The experiments showed that it is possible to excite the harmonic forced oscillations in the vicinity of the natural frequency, the oscillations being of the resonant type.

Card 4/4

There are 4 figures, 1 table and 8 references, 6 of which are Soviet and 2 English. (One of the Soviet references is translated from English).

ASSOCIATION: Nauchno-issledovatel'skiy radiofizicheskiy institut
pri Gor'kovskom universitete (Scientific Research
Radiophysics Institute of Gor'kiy University)

SUBMITTED: August 5, 1959

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S/058/61/000/001/008/008
A001/A001

9,6000 (3702, 1040, 1049)

Translation from: Referativnyy zhurnal, Fizika, 1961, No. 1, p. 417, # 12h479

AUTHORS: Berbasov, V. A., Sedov, A. P.

TITLE: Analyzer of Spectrum in Range of 20 - 120 Mc

PERIODICAL: "Izv. vyssh. uchebn. zavedeniy. Radiotekhnika", 1960, Vol. 3, No. 1, pp. 119-121

TEXT: The authors describe a spectrum analyzer with a frequency range between 20 and 120 Mc, resolution power of 1 Mc, and sensitivity of $30 \mu v$ (for a monochromatic signal and signal-to-noise ratio equal to 1). The readjustable heterodyne is constructed according to the circuit of beat-frequency oscillator consisting of two klystrons (mean frequencies are 2,775 and 2,845 Mc) and a crystal mixer. Klystron frequency is modulated in antiphase with a frequency of 50 cps. The block-diagram of the device is presented

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Translator's note: This is the full translation of the original Russian abstract.

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E192/E382

AUTHORS: Berbasov, V.A., Kuznetsov, M.I. and Nechaev, V.Ye.

TITLE: Investigation of the Fluctuations in a Magnetron. II
Fluctuations of ^{the} Azimuthal Current

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika,
1960, Vol 3, Nr 2, pp 290 - 298 (USSR)

ABSTRACT: The fluctuation spectrum in the pre-oscillation regime in a magnetron was investigated. In the pre-oscillation regime the resonator system of the magnetron is not excited and all the segments of the anode are practically equipotential. The state of the space charge and its fluctuations should not differ substantially from the corresponding states and fluctuations in a magnetron with a non-split anode. Consequently, the fluctuations of the space charge were studied on laboratory models with non-split anodes. The measurements were carried out at decimetre and metre waves, so that they can be conducted comparatively easily and accurately. The experimental tubes (shown in Figures 1 and 2) were constructed in such a way that at the frequencies of interest the anode and the cathode of the tubes could be

Card1/5

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E192/E382

Investigation of the Fluctuations in a Magnetron. II Fluctuations
of the Azimuthal Current

regarded as being short-circuited at high frequencies. Small apertures, whose diameter was much smaller than the length of the rotating wave of the space charge, were cut in the anode cylinders of the tubes. Measuring probe-discs were inserted into the apertures. The discs were connected to lines having the wave impedance $\rho = 75 \Omega$. The signals were conducted by means of the lines to a receiver. The construction of one of the tubes was such as to permit the observation of the current received by the disc as well as the cathode current. The experiment showed that the spectrum of the anode current contains only one comparatively wide maximum in the vicinity of the cyclotron frequency, while the spectrum of the azimuthal current consists of a number of narrow maxima, whose position is determined with an accuracy of 10-20% by the Hartree formula. The fluctuation spectrum of the azimuthal current obtained by means of a spectrum analyser is shown in Figure 3. The Hartree curves obtained by means of Eq (4) are also plotted in Figure 3. It is seen that

Card2/5

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E192/E382

Investigation of the Fluctuations in a Magnetron. II Fluctuations
of the Azimuthal Current

the regions of maximum intensity correspond to the Hartree lines. The fluctuations of the azimuthal current could be studied more accurately by employing the second tube whose geometry and operation conditions were nearer to the actual magnetron (Figure 2). Results of the measurements are shown in Figure 4. The maxima of the fluctuations follow the Hartree lines with an accuracy of 10%. By employing a comparatively high anode voltage, the observations could be effected over a wide frequency band and for n up to 7. From the graphs of Figure 4 it is seen that the maximum fluctuations of the azimuthal current are almost independent of the magnitude of the magnetic field. The intensity of the fluctuations is principally dependent on the anode voltage. It is interesting to compare the spectrum of the fluctuations with the spectrum of the natural oscillations in the magnetron. For this purpose, the measurements were carried out on the tube shown in Figure 1. The oscillations were excited by an external signal applied to one of the measuring discs

Card3/5

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E192/E382

Investigation of the Fluctuations in a Magnetron. II Fluctuations
of the Azimuthal Current

through a distributed amplifier. In this way, it was possible to excite non-symmetrical oscillations in the form of rotating waves. The reaction of the space charge to the applied signal was observed on the screen of a spectrum analyser. The signal from the second measuring disc was also applied to the input of the analyser. In this way, it was possible to observe simultaneously the spectrum of the non-coherent oscillations and the reaction of the system to the external excitation. It was found that the reaction has a clearly resonant character and that the resonant frequencies coincide with the frequencies at which the maximum fluctuation amplitudes are observed. The results of this experiment are indicated in the oscillograms of Figure 5. It is interesting to compare the above experimental results with certain theoretical data. Thus, according to Harris (Ref 11), the natural frequencies of space-charge oscillations in a cylindrical magnetron can be expressed by Eqs (7), where r_e is the

Card4/5

80873

Investigation of the Fluctuations of the Azimuthal Current in a Magnetron. II Fluctuations
S/141/60/003/02/014/025
E192/E382

external radius of the space-charge cloud and ω_H is the cyclotron frequency. From this formula it follows that the natural frequencies do not coincide with the Hartree lines. This is in contradiction to the experimental results. Consequently, it is concluded that the Brillouin state is not realised in a magnetron. There are 5 figures and 13 references, 12 of which are English and 1 is Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete (Scientific-research Radio-physics Institute of Gor'kiy University)

SUBMITTED: July 6, 1959

Card 5/5

BERATLIEF, C. (Bucuresti)

A little known injurious insect of the *Otiorrhynchus rotundatus*
Siebold ornamental bushes. *Natura Biologie* 15 no.1:75-77
Ja-F '63.

BERBATOV, N.

Lenin and the philosophical problems of biology. Priroda i znanie 13
no.4:1-3 Ap '60. (EBAI 9:10)
(Lenin, Vladimir Il'ich)
(Biology)

History and control of Argentine wood-borer, *Pezomachus* (Hymenoptera: Braconidae). The biology and life history of the pest are described. The larvae, especially those of the first spring generation, are highly destructive of sugar-beet leaves. Satisfactory results obtained by spraying the upper and lower leaf surfaces with emulsions containing DDT or $p\text{-C}_6\text{H}_4\text{Cl}_2$ (>0.5% of active material) immediately after the oviposition and during the initial feeding period of the larvae. Liquid prep. of nicotine or the above preparations applied as dusts are less effective. P. S. Anur.

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[illegible]

204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

See Monthly List of East European Accessions (LAL) in Vol. 6, no. 10, October 1957. Encl.

BERBEC, Edward

Significance of aphidicides in the protection of root crops.
Postepy nauk roln 11 nr.5:95-104 S-O '64.

1. Institute of Plant Breeding and Acclimatization, Bydgoszcz.

BORKOWSKI, T.; BERBEC, H.; BRUSZKIEWICZ, Halina

Changes in chemical composition of isolated rat brain and liver nuclei. *Acta biochim. Pol.* 12 no.2:143-149 '65

1. Department of Physiological Chemistry, Medical School, Lublin.

SZCZEPANSKI, Leszek; BERBEC, Henryk; WISNIEWSKA, Maria

Effect of acetazolamide and benzohydroflumethiazide on the urinary excretion of magnesium and calcium. Pol. tyg. lek. 20 no.25:911-912 21 Je '65.

1. Z II Kliniki Chorob Wewnętrznych AM w Lublinie (Kierownik: prof. dr. A.T.Tuszkiewicz) i z Centralnego Laboratorium Klinicznego PSK Nr. 4 w Lublinie (Kierownik: doc. dr. T. Borkowski).

BERBEC, J.

"Health of Tobacco Plants (*Nicotiana Tabacum* L. and *Nicotiana rustica* L.) in Pulawy in the Years 1949-1951." p. 53, (ROCZNIKI NAUK ROLNICZYCH. SERIA A-ROSLINNA, Vol. 66, no. 2, 1953, Warsaw, Poland).

SO: MONTHLY List of East European Accession, Lib of Congress, Vol 2, no¹⁰, Oct. 1953, Uncl.

BERBee, J.

POLAND / Cultivated Plants: Plants for Technical Use. N
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34782

Authors : Berbee, J.; Borezowski, B.

Inst : Not given

Title : Experiments (in Poland During 1947 to 1950) in
Technical Agronomy Methods for the Growing of
Wide-Leafed Tobacco of the Polawski Variety,
With Emphasis on the Effects of Potassium Fer-
tilization.

Orig Pub : Roczn. nauk rolniczych, 1956, A 72, /3, 449-464

Abstract : The variety of hybrid origin studied belongs to
the species *Nicotiana tabacum* L. obtained from
the parental varieties Kentucky and Shamoshanta.
This variety is highly resistant to black root
rot. The highest crop obtained when planted in

Card 1/2

BERBEC, Jan; DZCOWSKA, Barbara

Bacterial wilt *Pseudomonas solanacearum* Smith) in the light of the literature. Roczn. nauk roln. rosl 81 no.4:829-843 '60.
(EEAI 10:9)

1. Z Centralnego Laboratorium Przemysłu Tytoniowego i Pracowni Hodowli i Uprawy Tytoniu IUNG w Pulawach.

(Tobacco) (*Pseudomonas solanacearum*)

BAWOLSKA, Maria; BERBEC, Jan; KONCZEREWICZ, Antoni

The effect of heterosis in tobacco hybrids (*Nicotiana tabacum* L.).
Rocz nauk roln rosl 81 no.4:845-878 '60. (KEAI 10:9)

1. Pracownia Hodowli Tytoniu IHAR w Pulawach i Centralne Laboratorium
Przemyslu Tytoniowego w Krakowie.

(Tobacco) (Heterosis)

BERREC, Jan

Problems and results of major importance of research on tobacco
carried on in Pulawy for current needs. Pt.1. Postepy nauk roln
9 no.5:19-42 8-0 '62.

1. Instytut Uprawy, Nawozenia i Gleboznawstwa, Pulawy.

HERBEC, Jan

Problems and major results of research on tobacco carried on in Pulawy with regard to the present needs of production. Pt.2.
Postepy nauk roln 9 no.6:81-97 N-D '62.

1. Instytut Uprawy, Nawożenia i Gleboznawstwa, Pulawy.

SZEWCHYKOWSKI, W., doc. dr.; BRZOZOWSKI, J., doc. dr.; WOLANSKI, I.;
BERBEC, W.

Poisoning with organic phosphorus preparations used in agriculture
(description of 6 cases). Pol. tyg. lek. 20 no.9:310-312 1 Mr'65.

1. Z II Kliniki Chorob Wewnętrznych (kierownik: prof. dr. A.R.
Tuszkiewicz); z III Kliniki Chorob Wewnętrznych (kierownik: doc.
dr. W. Szewczykowski) i z Zakładu Szkodliwości Chemicznych (kie-
rownik: doc. dr. J. Brzozowski) Instytut im. W. Chodźki w Lub-
linie (dyrektor: prof. dr. J. Parnas).

BERBECARU, P.

Graphic construction of a driving airscrew. p. 18

(ARIPELE PATRIEL. Vol. 3, No. 4, Apr. 1957. Bucurest, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

BEREACE, V., prof. (Calimanești)

Calimanești. Natura Geografie 16 no. 2: 71-73 Mr-Apr '64.

RUMANIA/Cultivated Plants - General Problems.

M-1

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29643

Author : Valuta, Gh., Berbăcel, O.

Inst : ..

Title : The Principles and Methods of the Ecological Districting
of Field Crops in Rumania.

Orig Pub : Probl. agric., 1957, 9, No 6, 44-57 (rum.)

Abstract : No abstract.

Card 1/1

- 4 -

BERBECEL, O.: VALUCE, G.

"Determination of natural (ecologic) zones of agricultural plants for the purpose of zoning agricultural production"

Sbornik. Rada Zemedelska Ekonomika. Praha, Czechoslovakia. Vol. 32, no. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

L 9839-66

ACC NR: AP6003955

SOURCE CODE: HU/0033/65/069/001/0013/0026

AUTHOR: Berbechel, O.--Berbecel, Oktavian (Director); Rogozhan, Yu.--Rogojan, Julia (Graduate meteorologist); Eftimesku, Maria (Graduate meteorologist); Mikha, I.--Miha, Josefina (Graduate meteorologist)

14
B

ORG: [Berbechel] Agrometeorological Service of the Rumanian People's Republic; [Rogozhan, Eftimesku, Mikha] Hydrometeorological Service of the Rumanian People's Republic

TITLE: Study and application of the bioclimatological characteristics of agricultural crops [Paper presented at the Agrometeorological Conference held in Kecskemet, Hungary from 15 to 19 September 1964]

SOURCE: Idojaras, v. 69, no. 1, 1965, 13-26

TOPIC TAGS: agriculture crop, agriculture science, climatology

ABSTRACT:

Detailed

investigations were carried out in Rumania on the following crops: Indian corn, sunflower, wheat, potatoes, and grapes. This paper represents an account of the results of a study conducted on various types of sunflower and Indian corn, seeded at different times, and deals with the effects of current weather conditions on the lengths of phenological phases, date of leaf appearance, stem length and thickness, and length of vegetation period. The findings were utilized to characterize the agrometeorological conditions involved. Orig. art. has: 10 figures and 9 tables. [JPRS]

SUB CODE: 02, 04 / SUBM DATE: none

Card 1/1

BERBEKA, K.

"Our work" p. 3 (plon, Vol. 4, No. 5, May 1953, Warszawa)

SO: Monthly List of ^{East European} ~~Russian~~ ^{Vol. 3, No. 3} Accessions / Library of Congress, March ⁴ 195~~3~~, Uncl.

AUTHOR:

Berbekov, Kh. M.

Berbekov, Kh.M., Candidate of Historical Sciences, Rector
of the Kabardino-Balkarian University 3-11-13/17

TITLE:

A University of the Anniversary Year (Universitet yubileynogo
goda)

PERIODICAL:

Vestnik Vysshey Shkoly, 1957, # 11, pp 79 - 82 (USSR)

ABSTRACT:

In 1957 the Kabardino-Balkarian State University was founded. The author gives a description of the educational and cultural development of the Kabardino-Balkarian ASSR. Technical schools, pedagogical institutes, medical and agricultural schools and various cultural institutions were opened. The development of education and industry required the organization of a university, which was created on the basis of the Pedagogical Institute, the Secondary School of Agriculture and the Nalchik Technical School of Agriculture. There are 4 faculties and 21 chairs, the teaching staff includes 4 professors and 63 candidates of sciences. Specialists in the following branches will be trained at this university: history, Russian language and literature, Balkarian language and literature, foreign languages (German, English, French), industrial and civil engineering, agronomy and zootechnics. Presently, there are 3,000 students of which 1,400 are trained by correspondence. There is a library at the university comprising 140,000 books and

Card 1/2

A University of the Anniversary Year

3-11-13/17

periodicals. Research in the fields of semi-conductors, molecular physics, astro-acoustics, higher mathematics, chemistry of non-ferrous metals, technology of building materials, selection and genetics, history and philology will be carried out at the laboratories.

ASSOCIATION: Kabardino-Balkarskiy universitet (Kabardino-Balkarian University)

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BERBEKOV, N.L.; AGEYEV, V.V.

Harvesting peas with lateral rakes. Zashchita 26 no.6:60-61
Je '64. (MIRA 17:8)

1. Kabardino-Balkarskaya gosudarstvennaya sel'skokhozyaystvennaya
opytnaya stantsiya.

BERBEKOV, T. M., Cand Agr Sci -- "Basic problems of develop-
~~ment of a~~ productive animal husbandry in ~~the~~ Kabardino-Balkariya."
~~kolkhozes.~~ Nal'chik, 1961. (Min of Agr USSR, GSSR.
Georgian Order of Labor Red Banner Agr Inst) (KL, 8-61, 252)

BEREELKAC, I.

Contributions to the knowledge of the Uroi (Metaliferi
Mountains) volcanic apparatus. Dari seama sed 48:31-39
60/61 [publ. '62].